

FIG. 1A

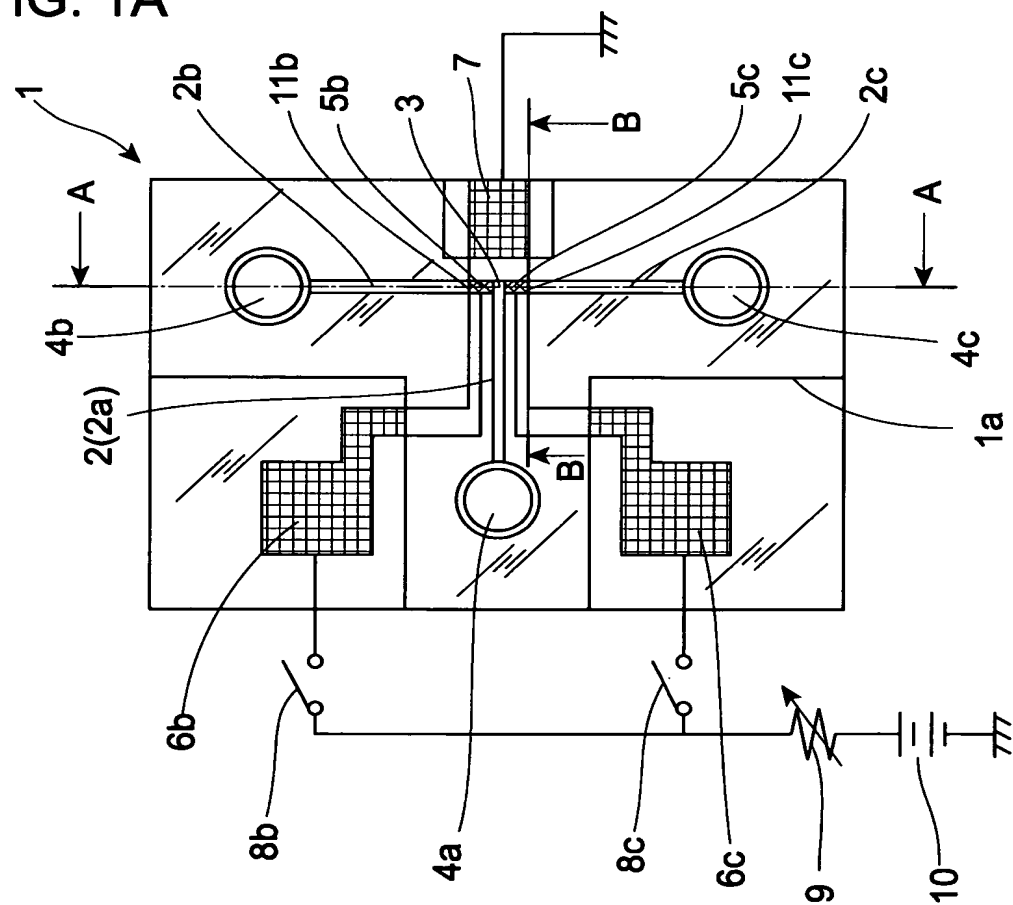


FIG. 2

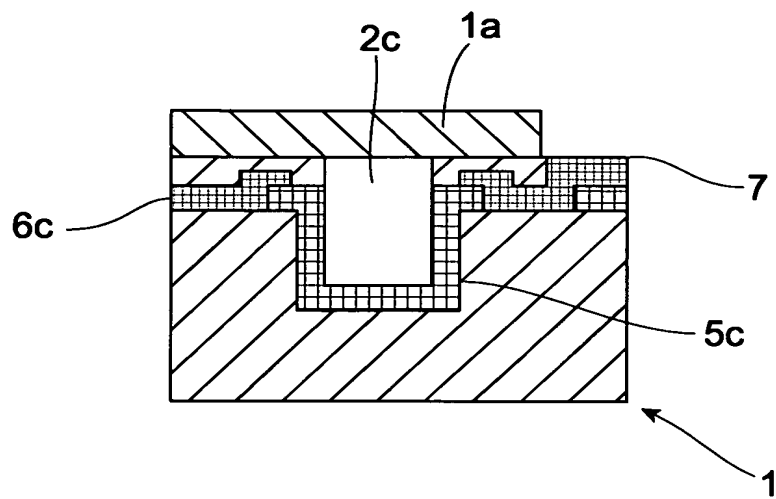


FIG. 3

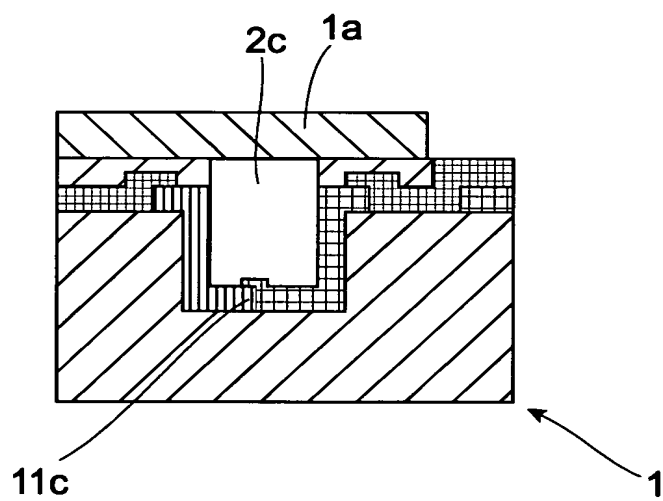


FIG. 5

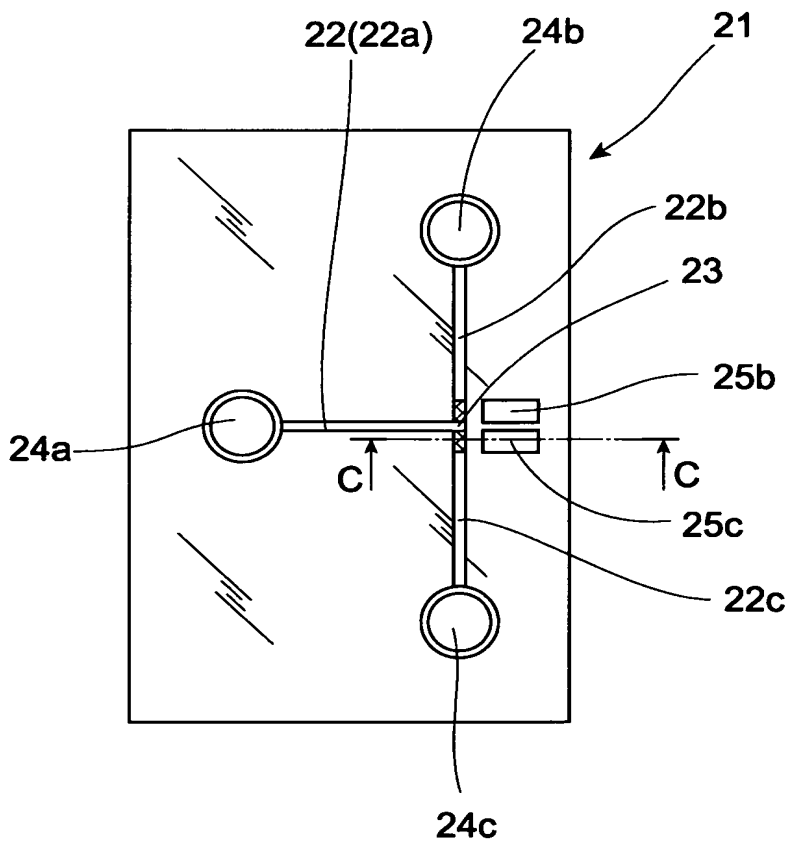


FIG. 6

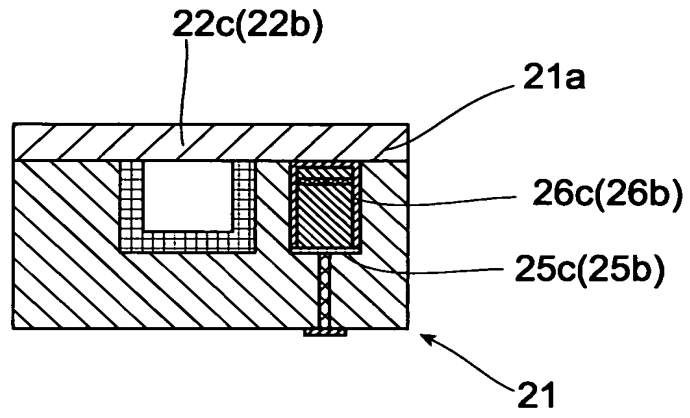


FIG. 7

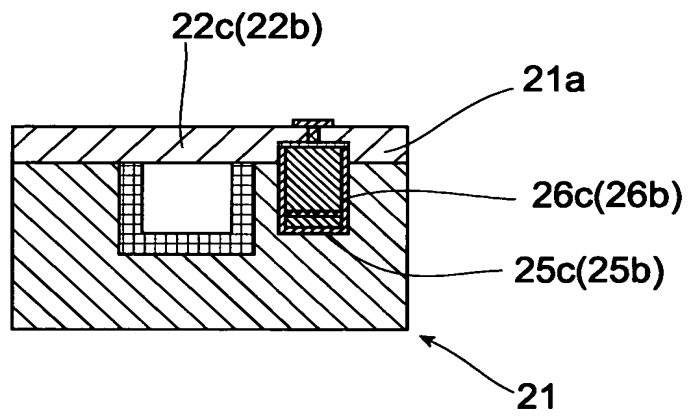


FIG. 8

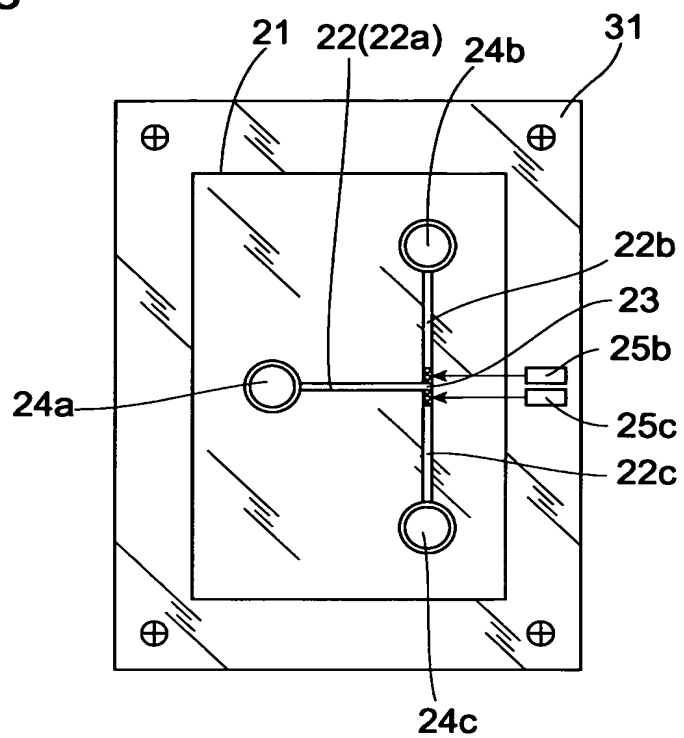


FIG. 9

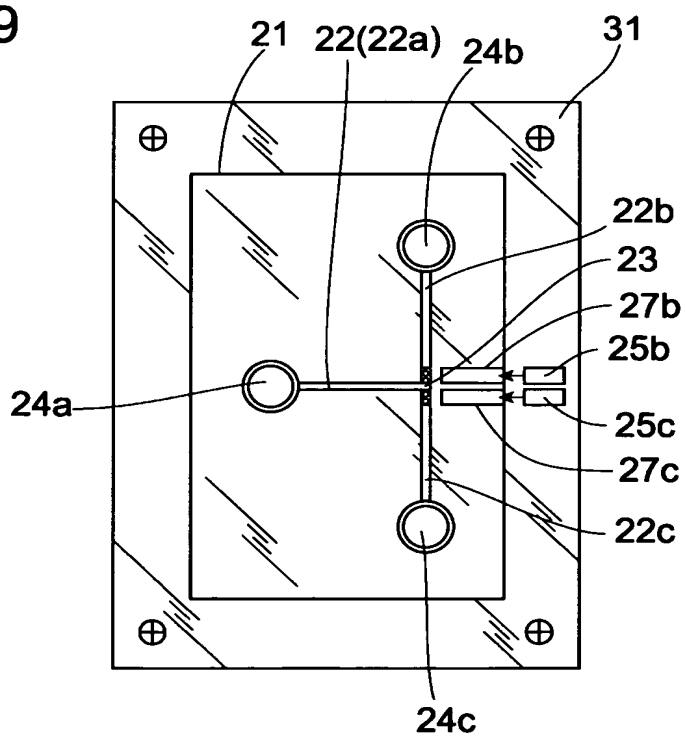


FIG. 10

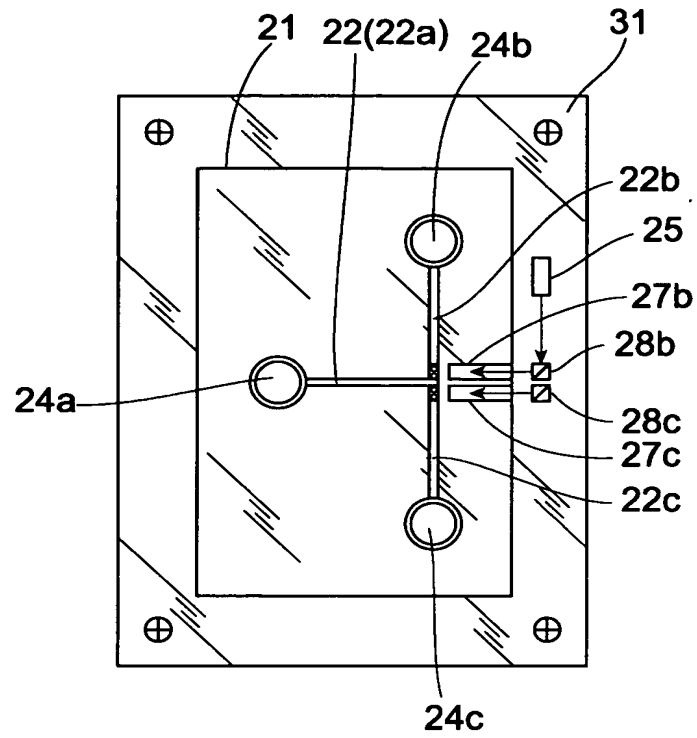


FIG. 11

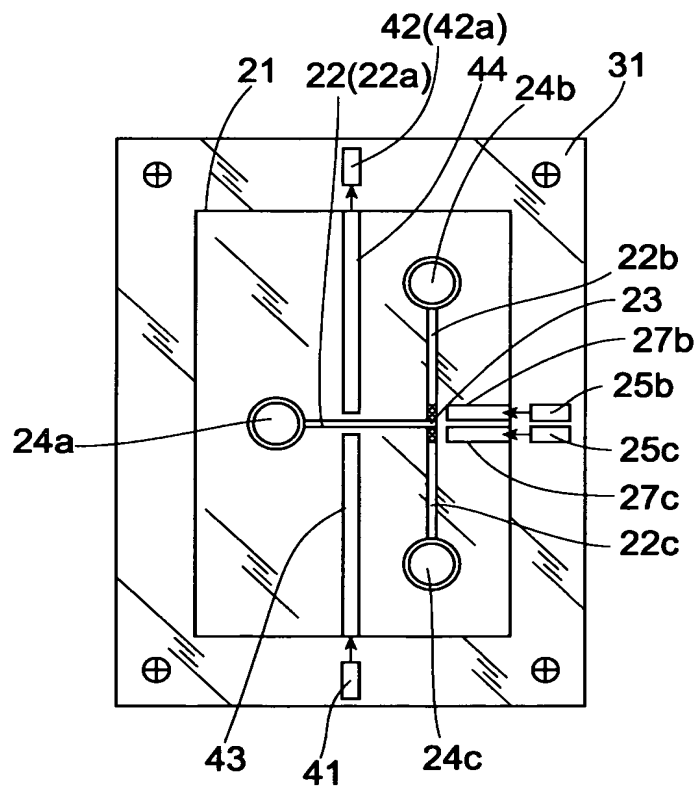


FIG. 12

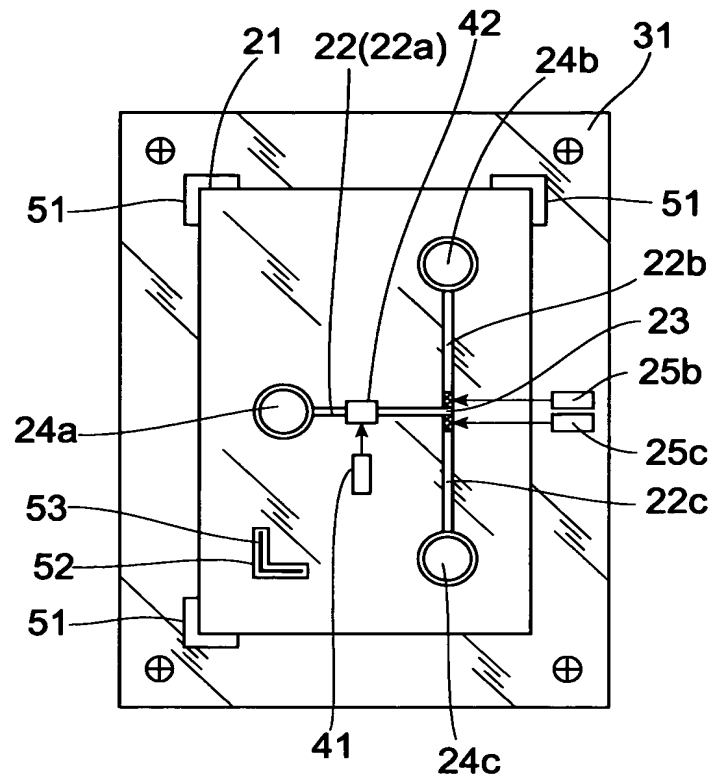


FIG. 13

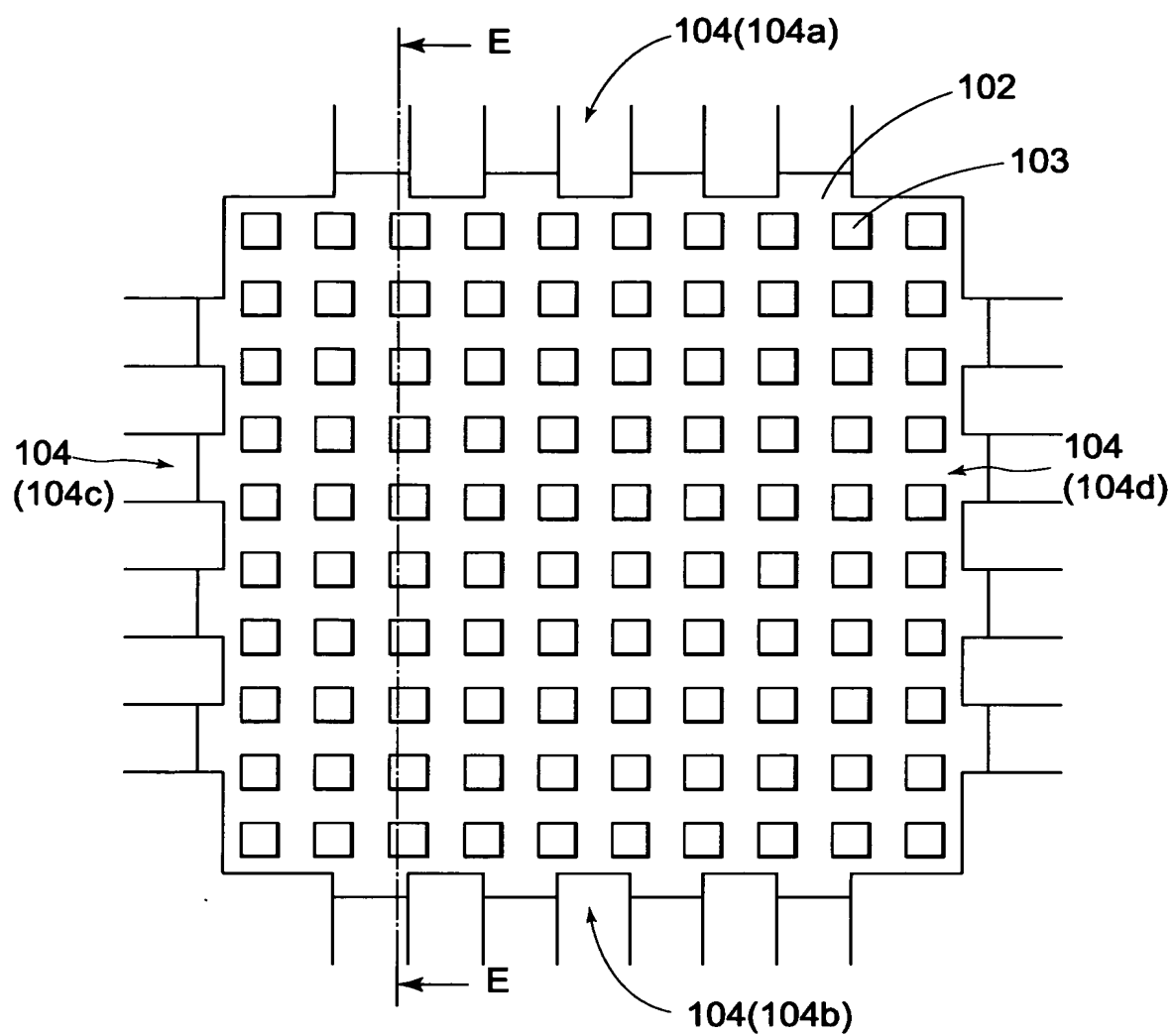


FIG. 14

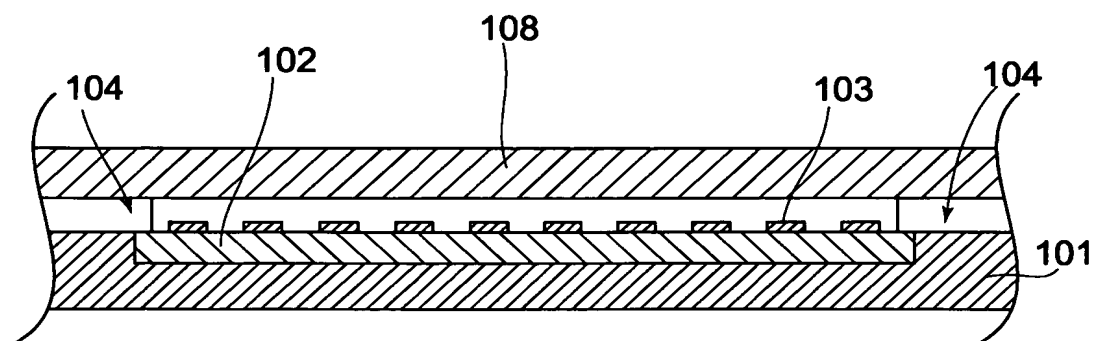


FIG. 15

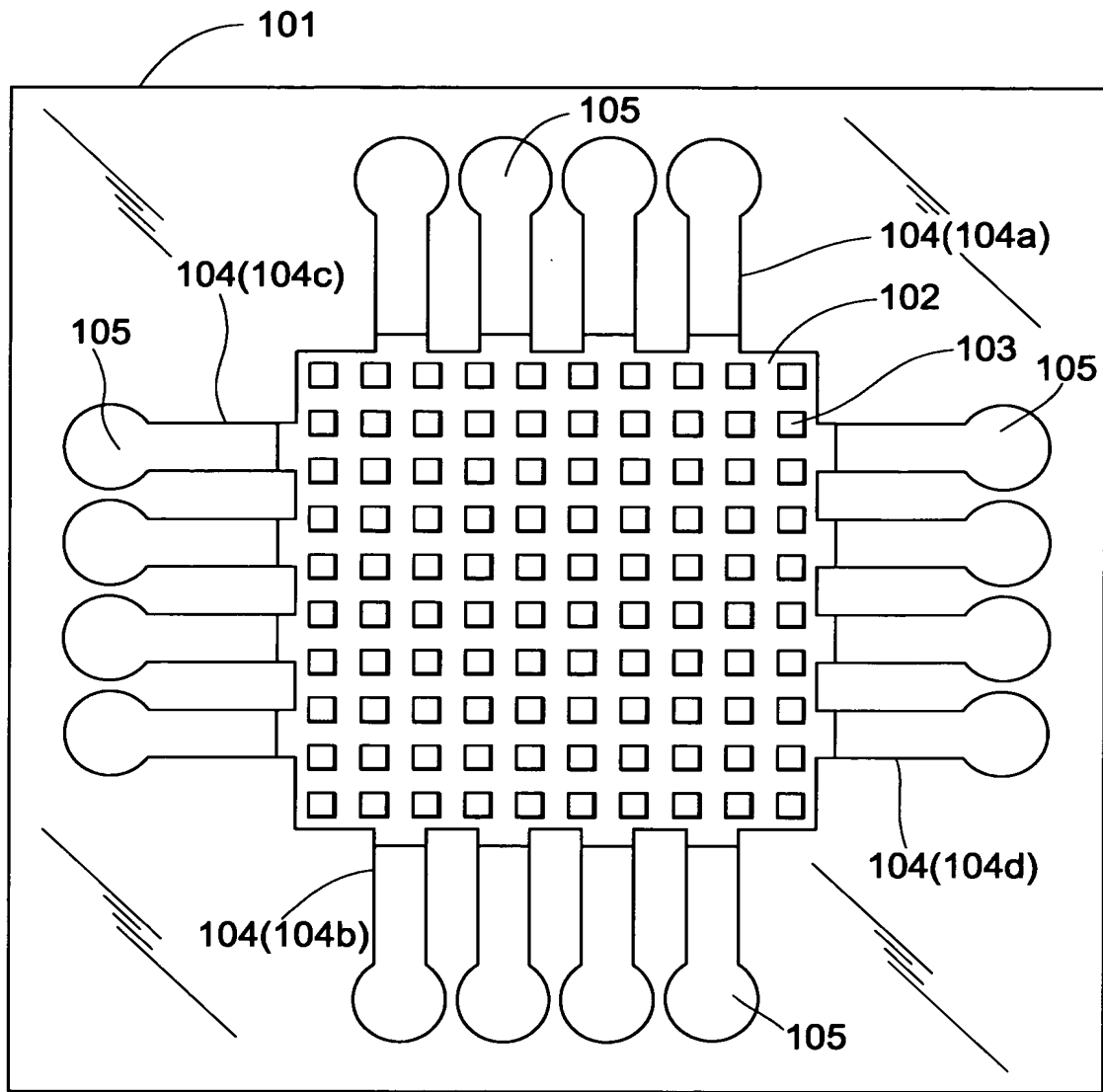


FIG.16

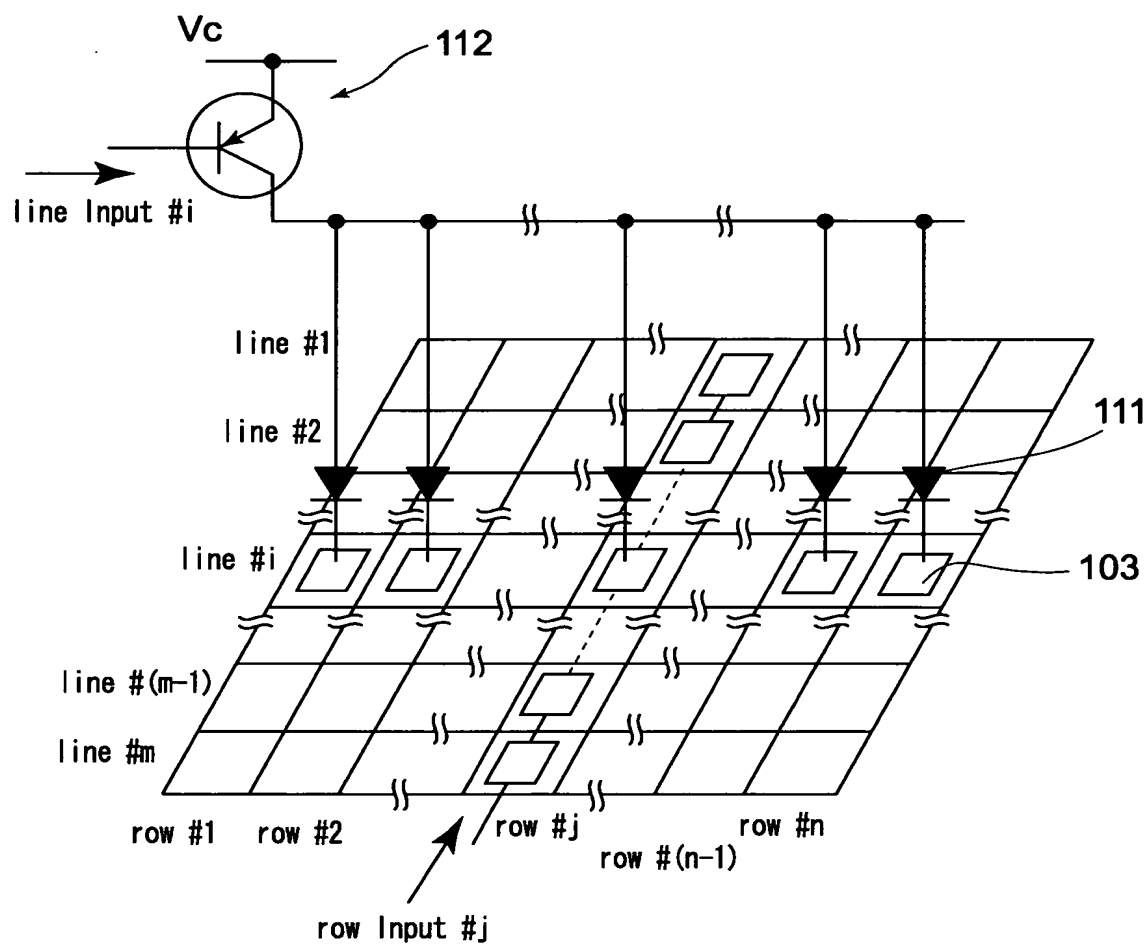


FIG.17

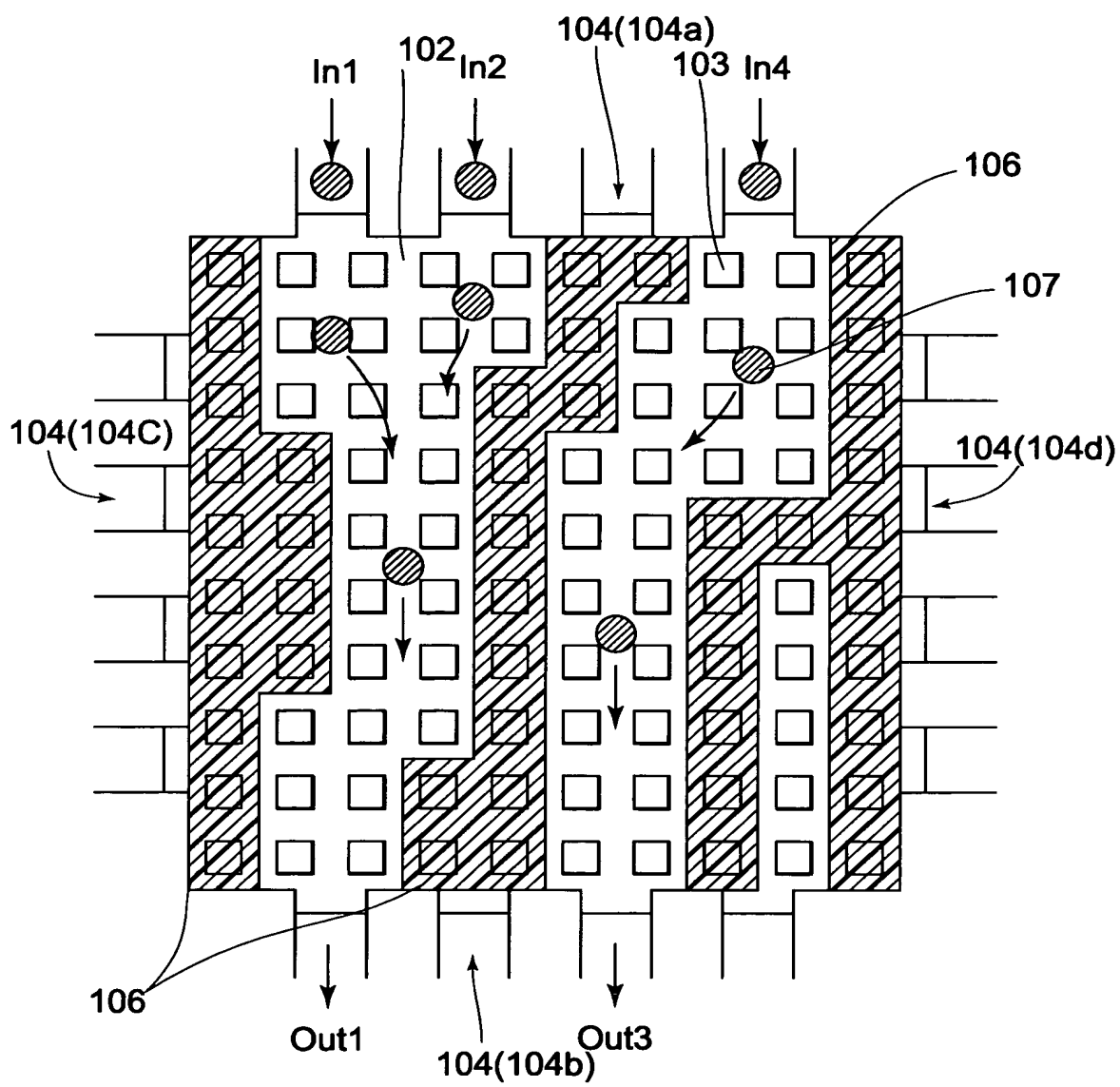
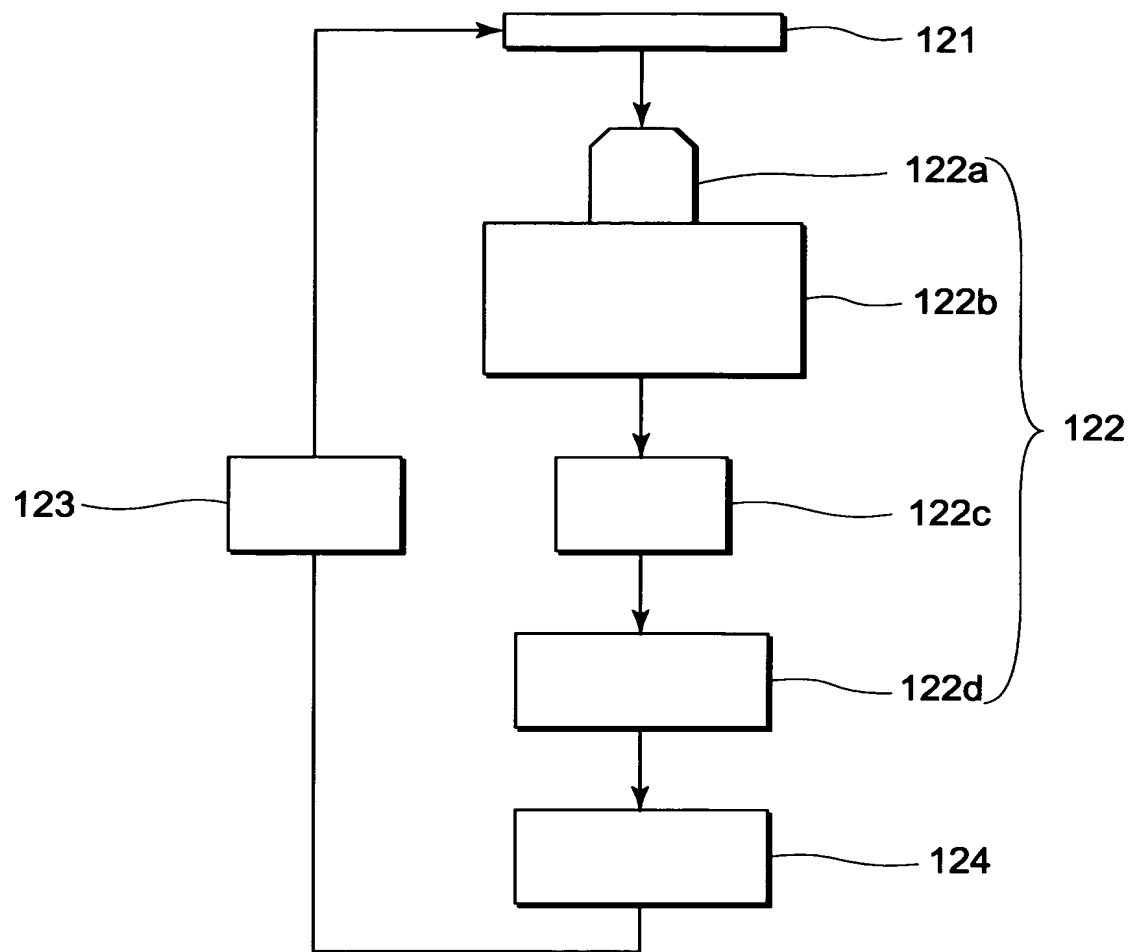


FIG.18



A schematic diagram of a crossbar array. The array consists of a grid of squares (crosspoints) formed by horizontal and vertical lines (wordlines and bitlines). The top horizontal line is labeled **In1** with a downward arrow. The bottom horizontal line is labeled **Out2** with a downward arrow. The right vertical line is labeled **104(104a)** with a rightward arrow. The left vertical line is labeled **104(104c)** with a leftward arrow. The bottom right vertical line is labeled **104(104b)** with a rightward arrow. The top right vertical line is labeled **102** with a rightward arrow. The top left vertical line is labeled **103** with a rightward arrow. The bottom left vertical line is labeled **106** with a rightward arrow. The bottom right vertical line is labeled **106'** with a rightward arrow. The bottom left vertical line is labeled **107a** with a rightward arrow. The bottom right vertical line is labeled **107a'** with a rightward arrow. The array is divided into two shaded regions, **104(104d)** and **104(104e)**, by a central vertical line. Each shaded region contains a smaller, unshaded square region. A double-headed arrow indicates a relationship between the two shaded regions.

FIG.20

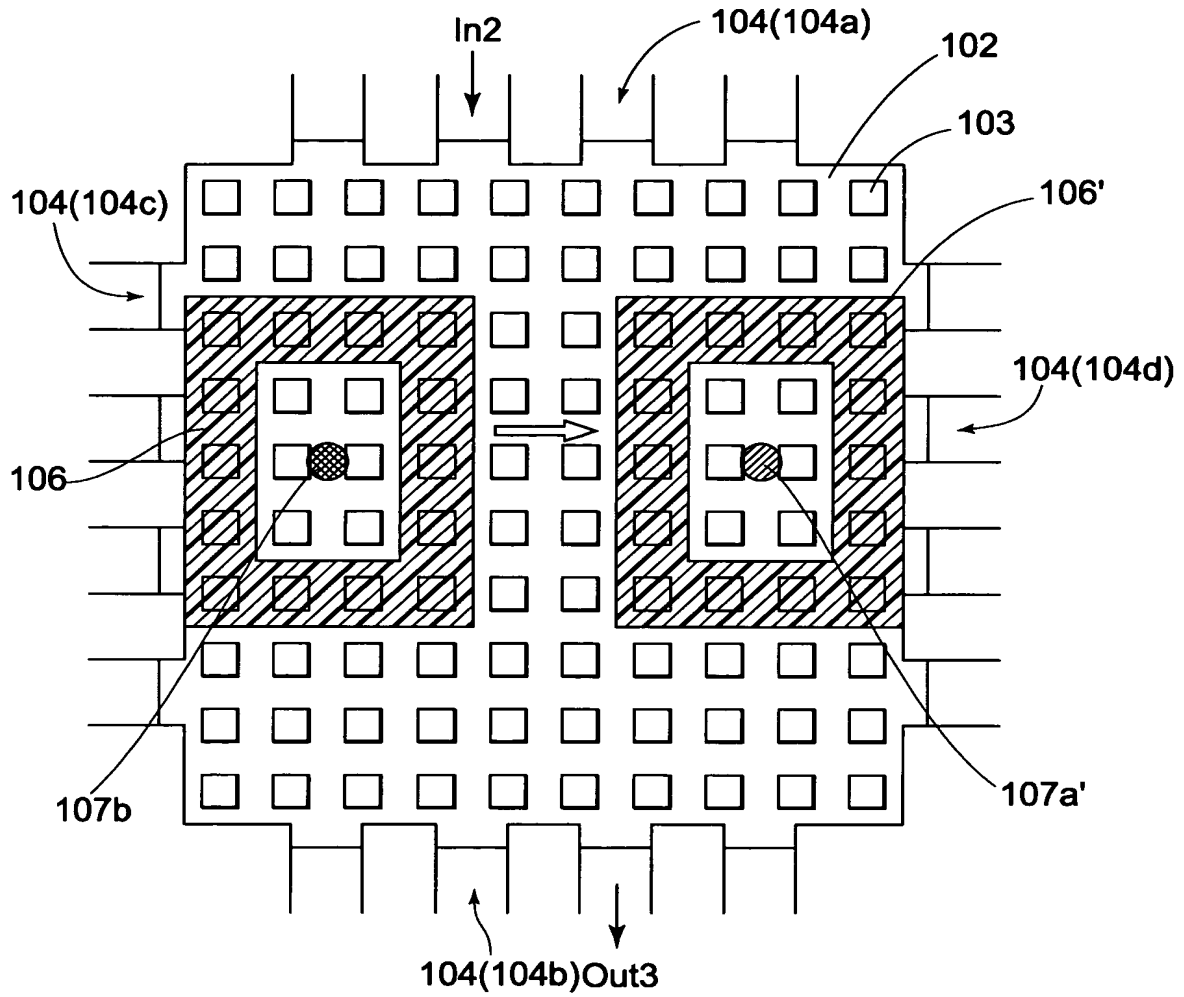


FIG. 21

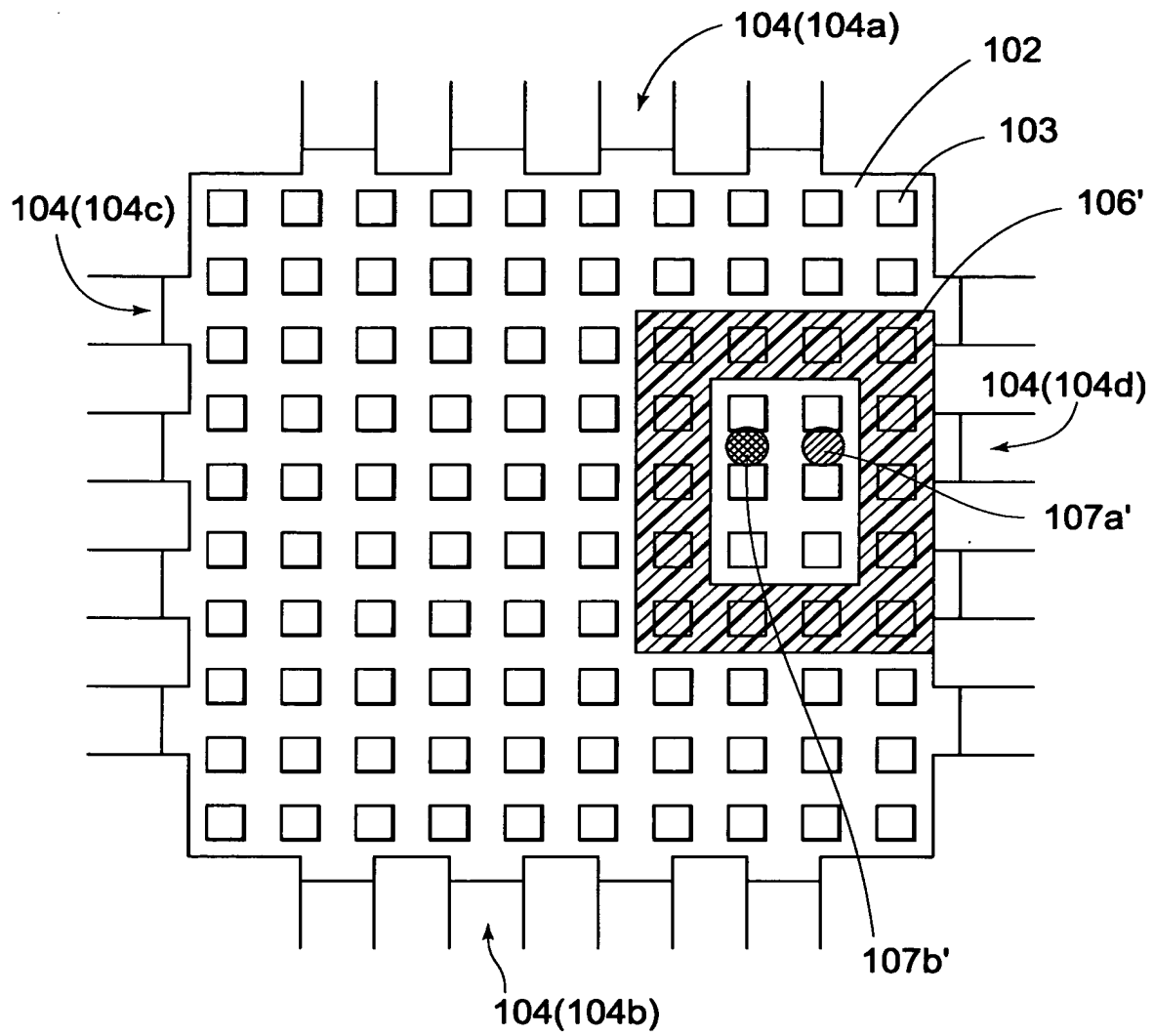


FIG.22

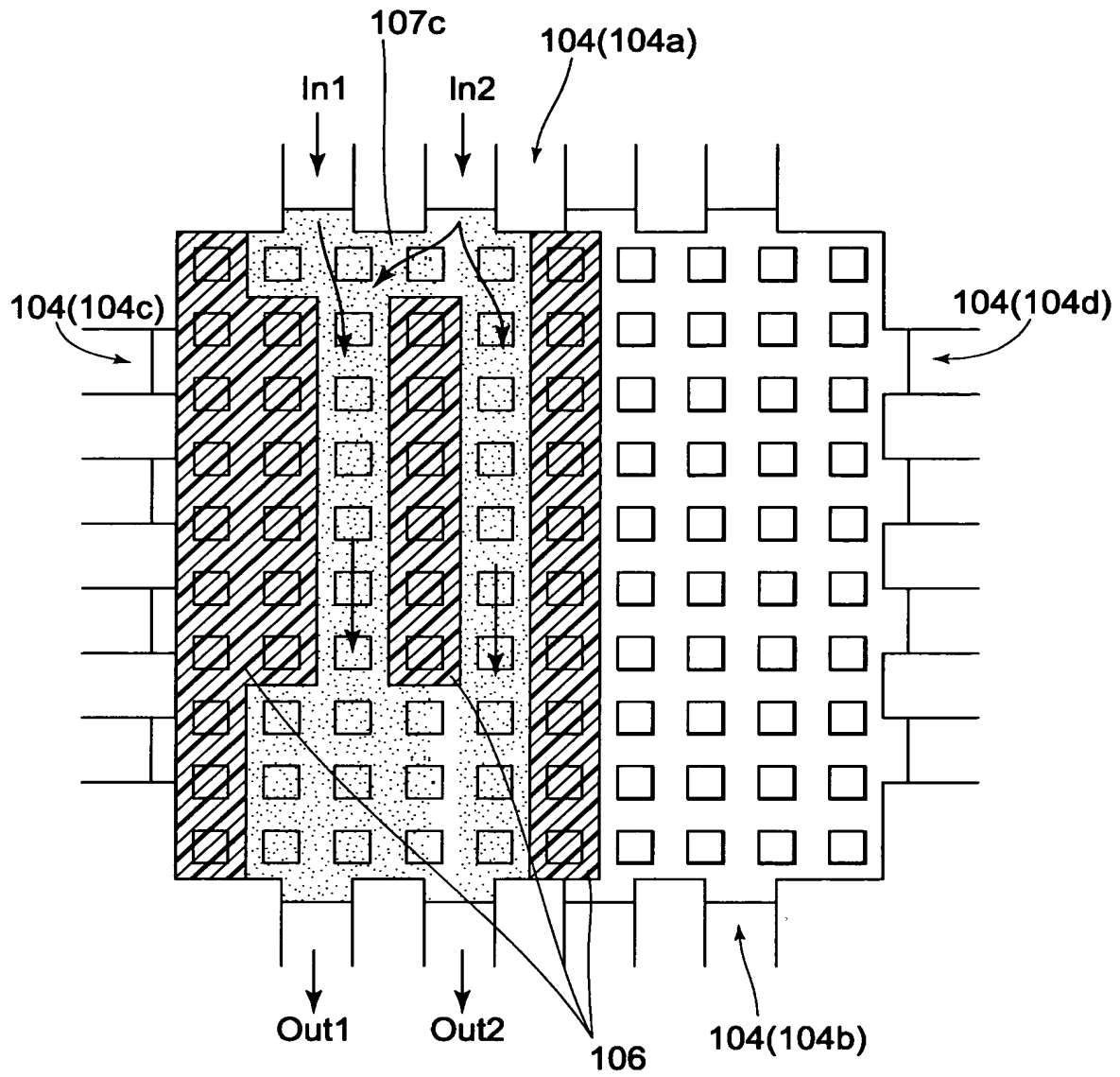


FIG.23

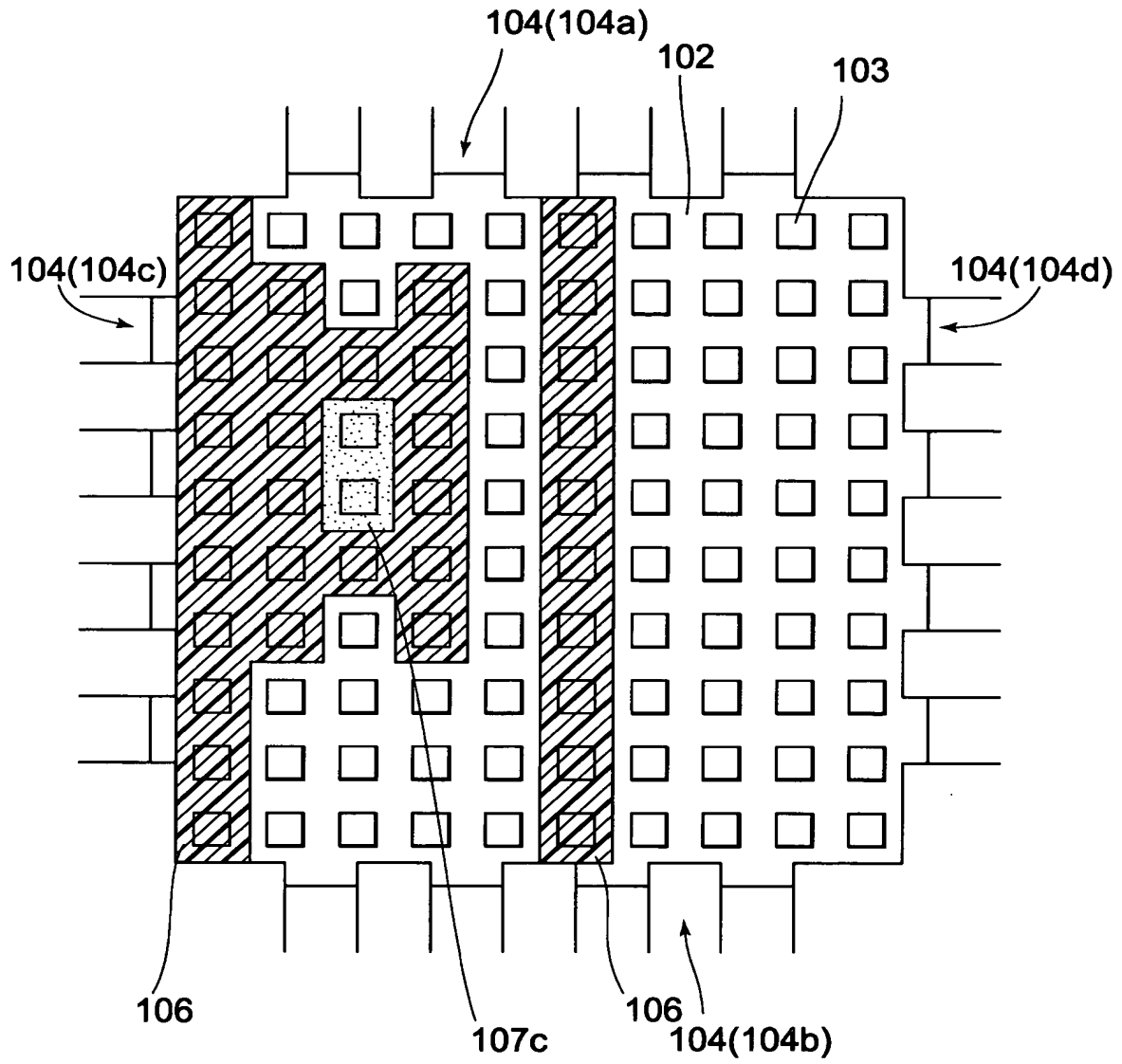


FIG.24

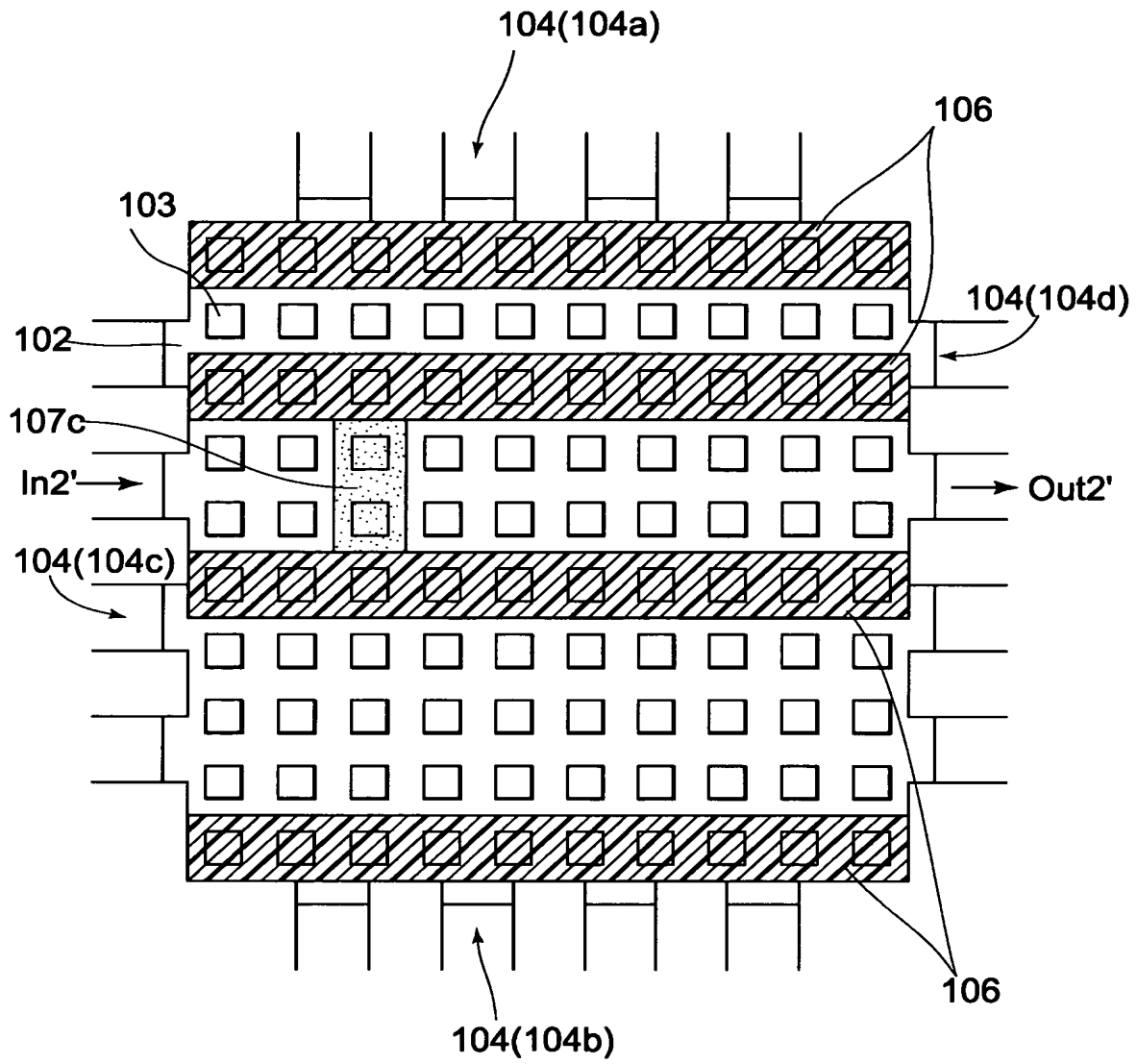


FIG.25

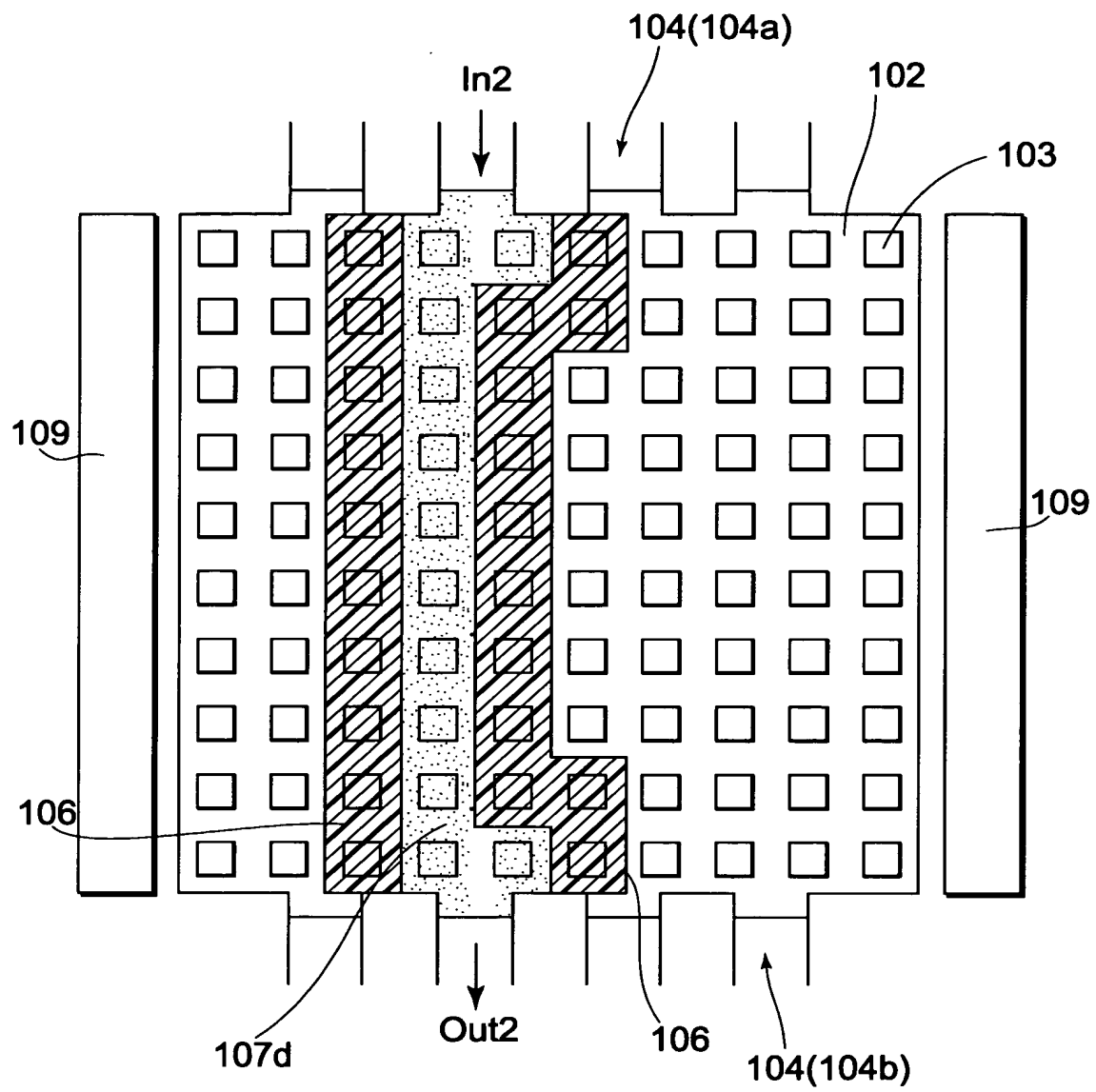


FIG.26

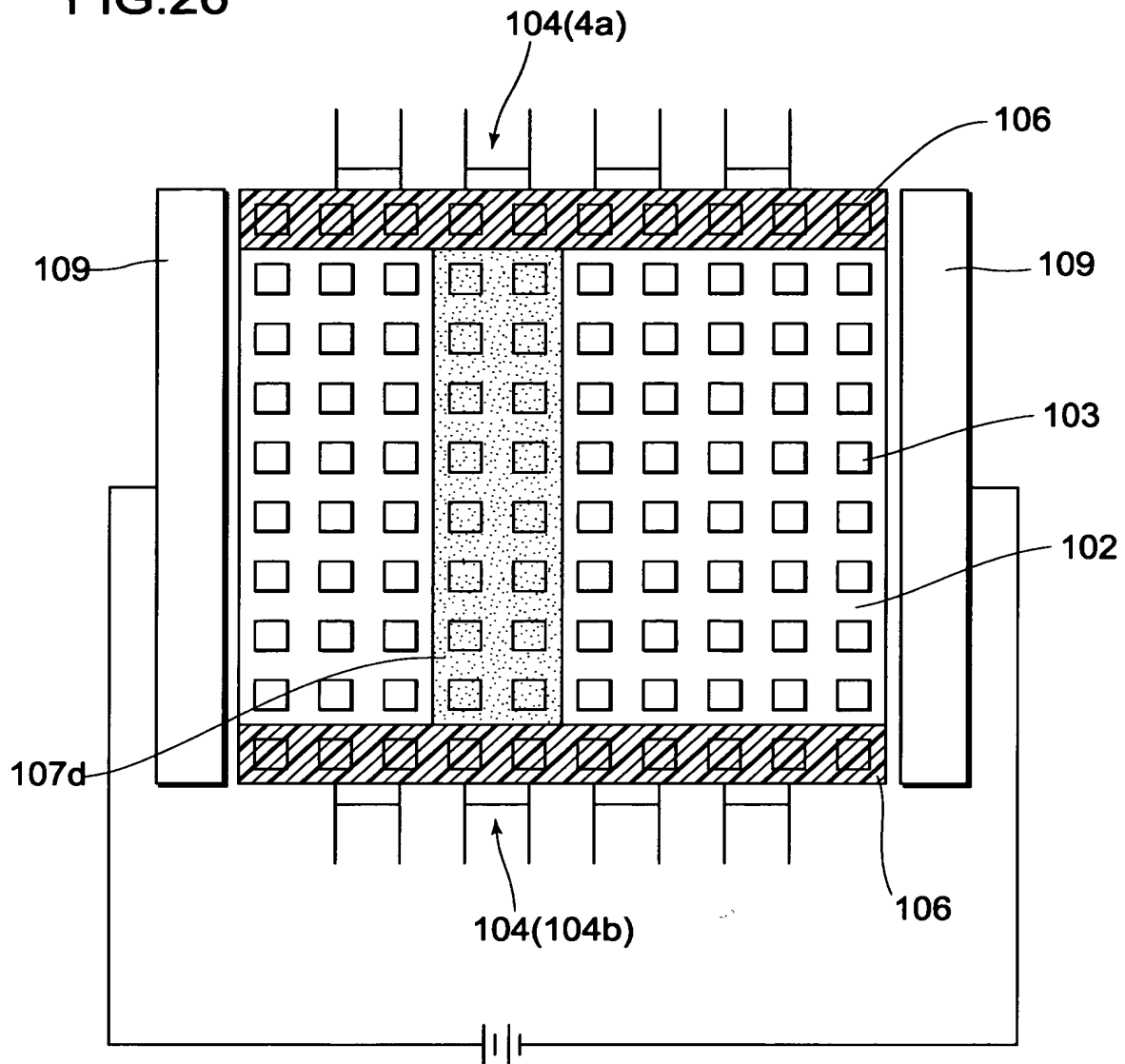


FIG.27

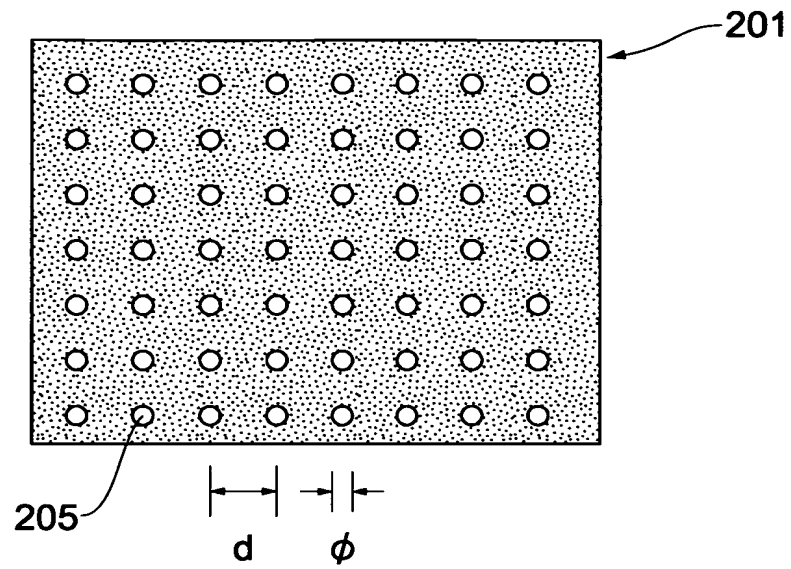


FIG.28

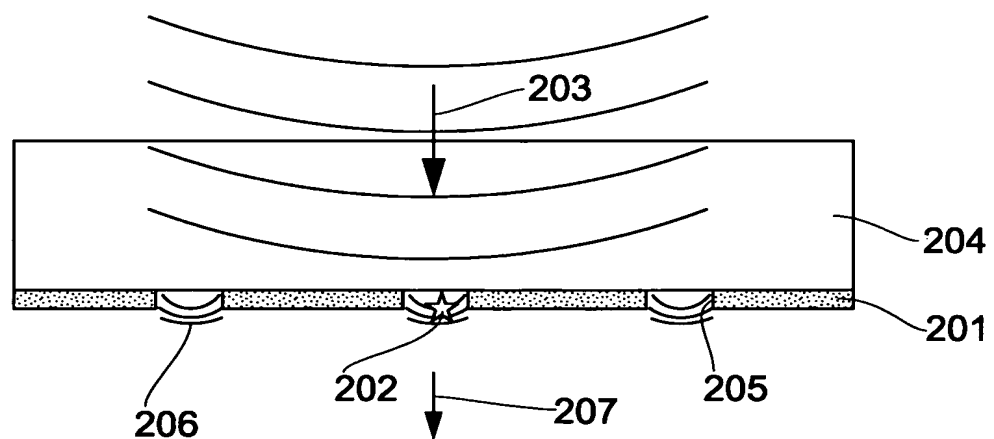


FIG.29

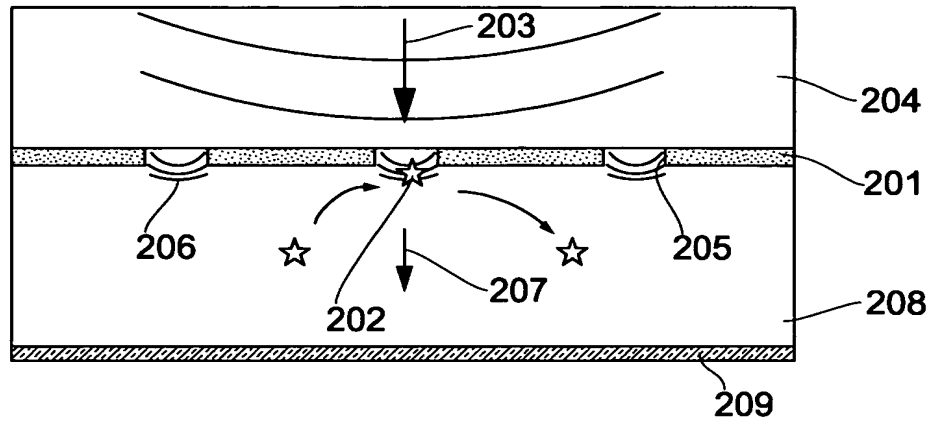


FIG.30

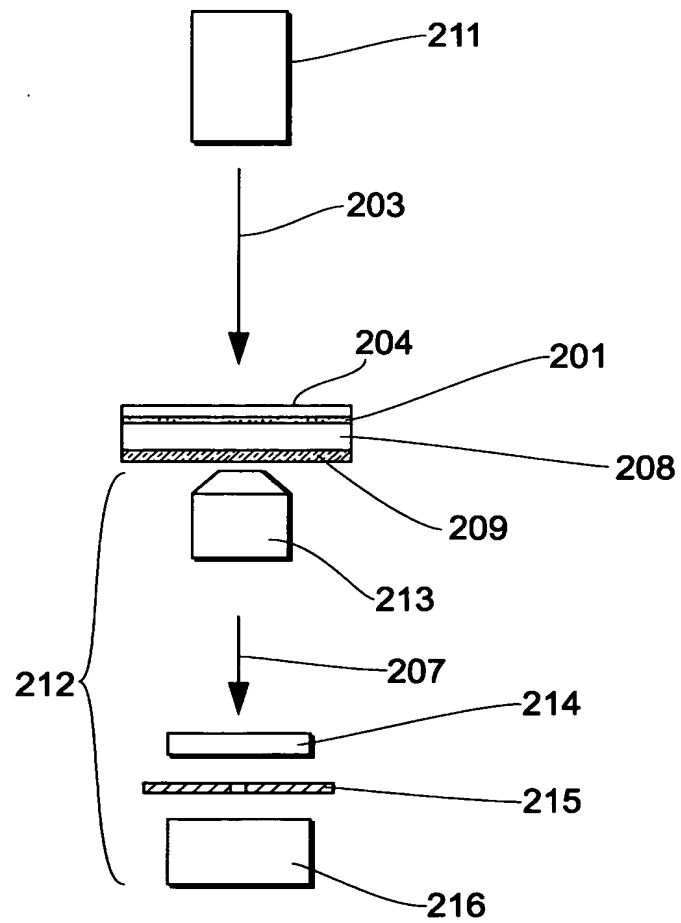


FIG.31

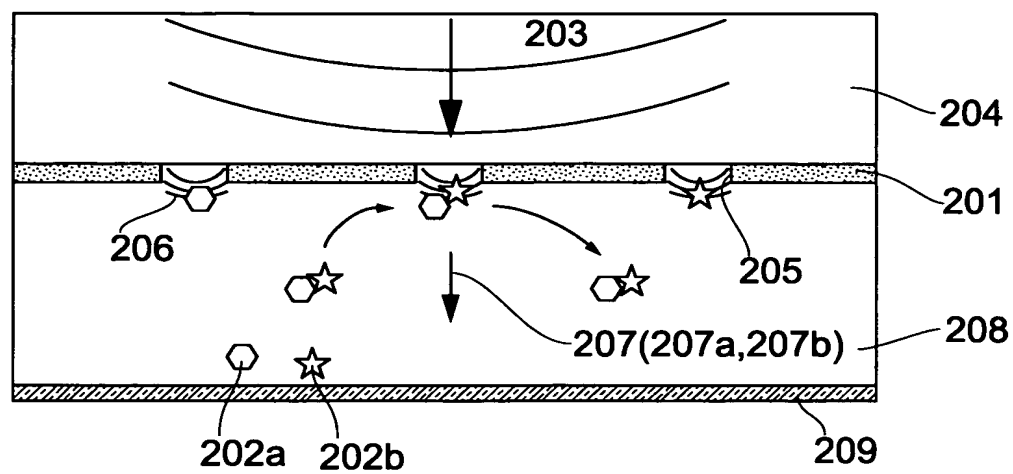


FIG.32

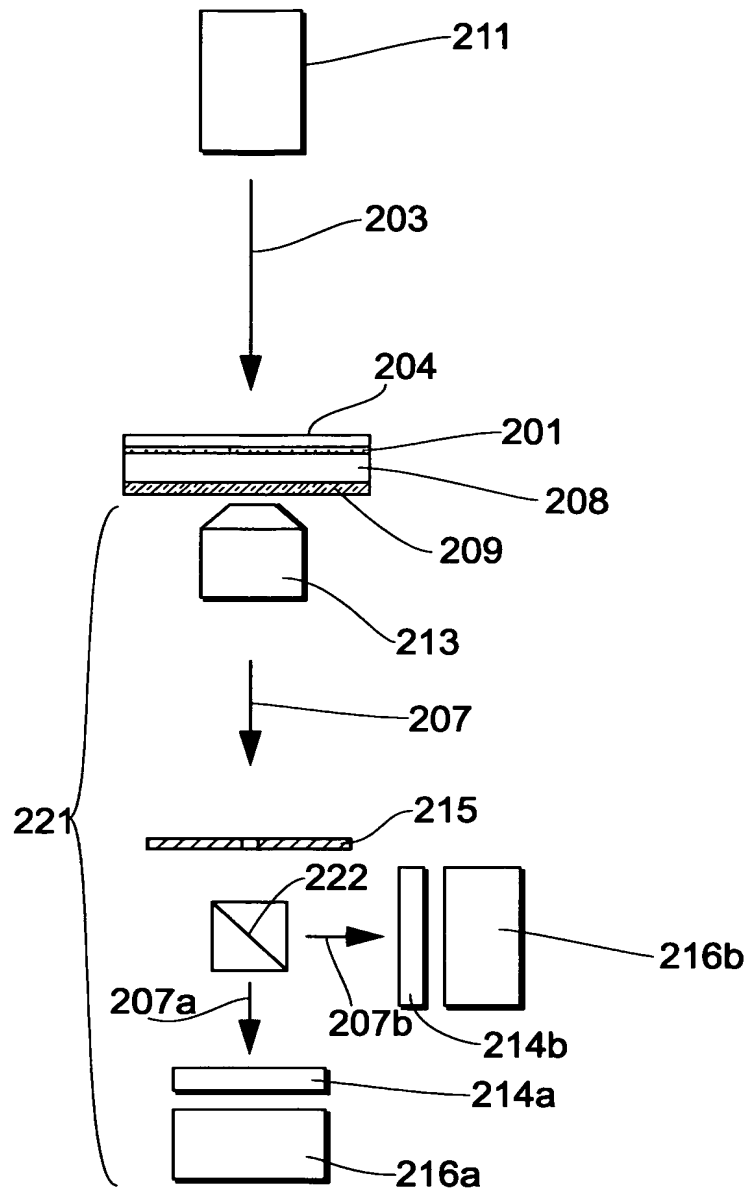


FIG. 33

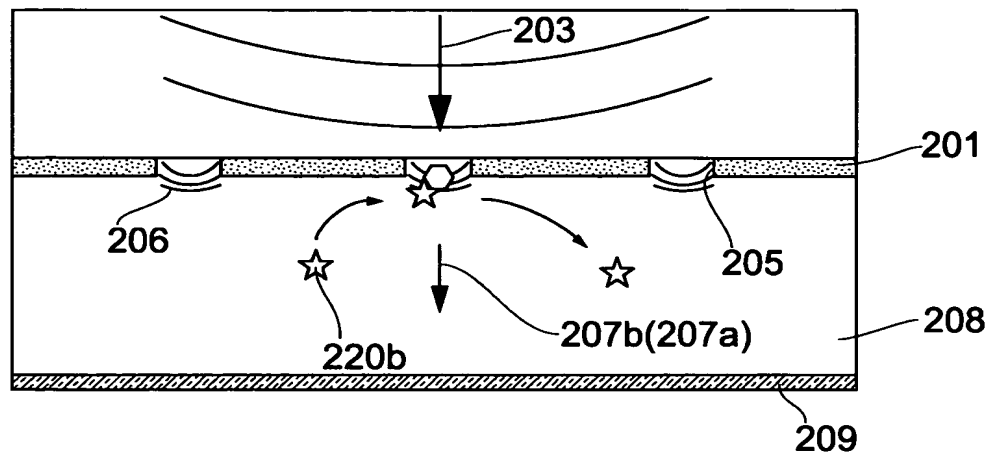


FIG. 34

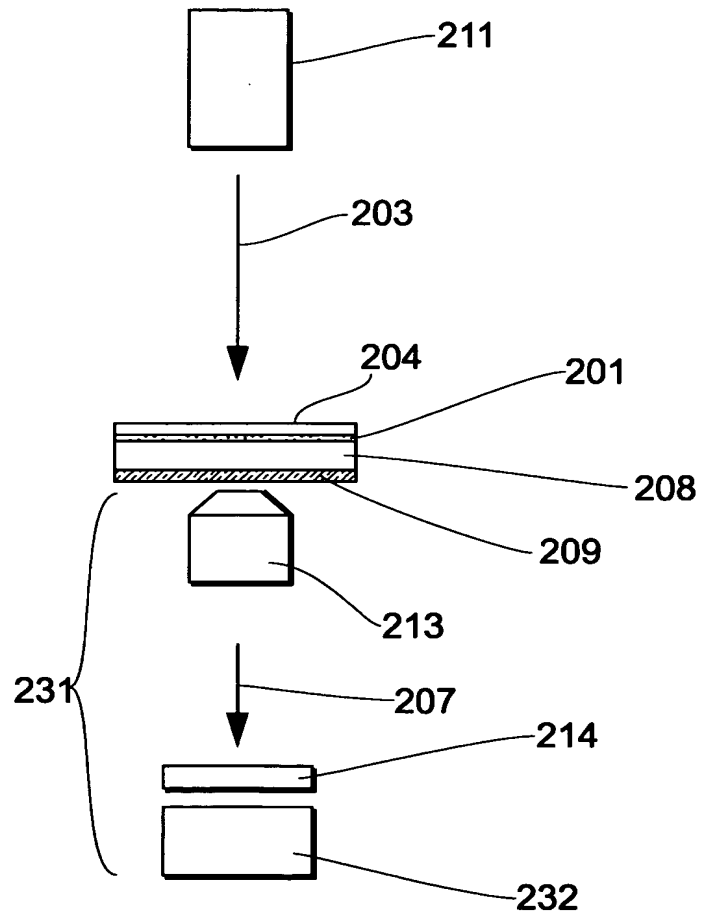


FIG. 35
(PRIOR ART)

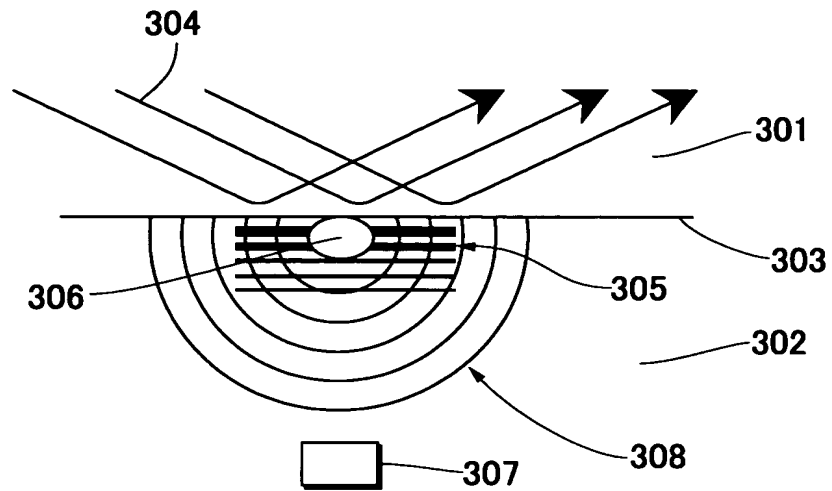


FIG. 36
(PRIOR ART)

